

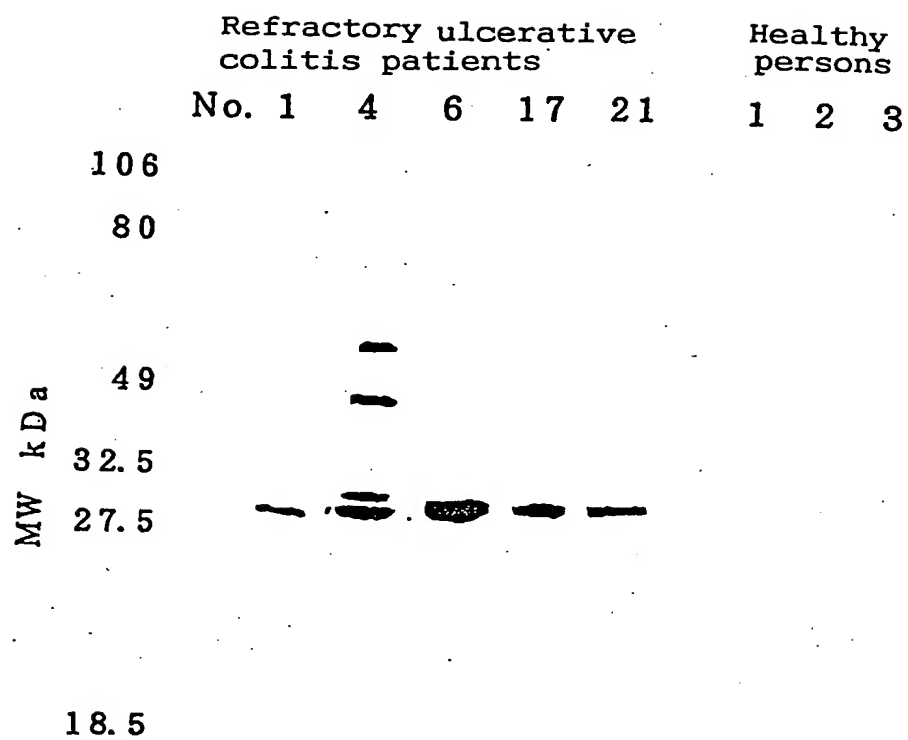
FIG. 1

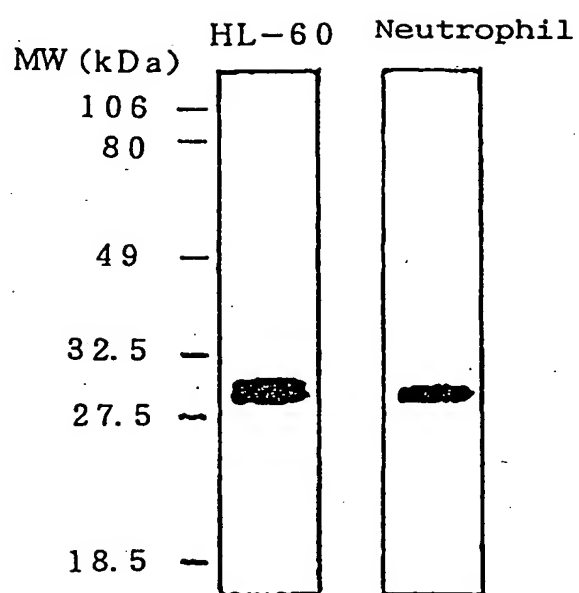
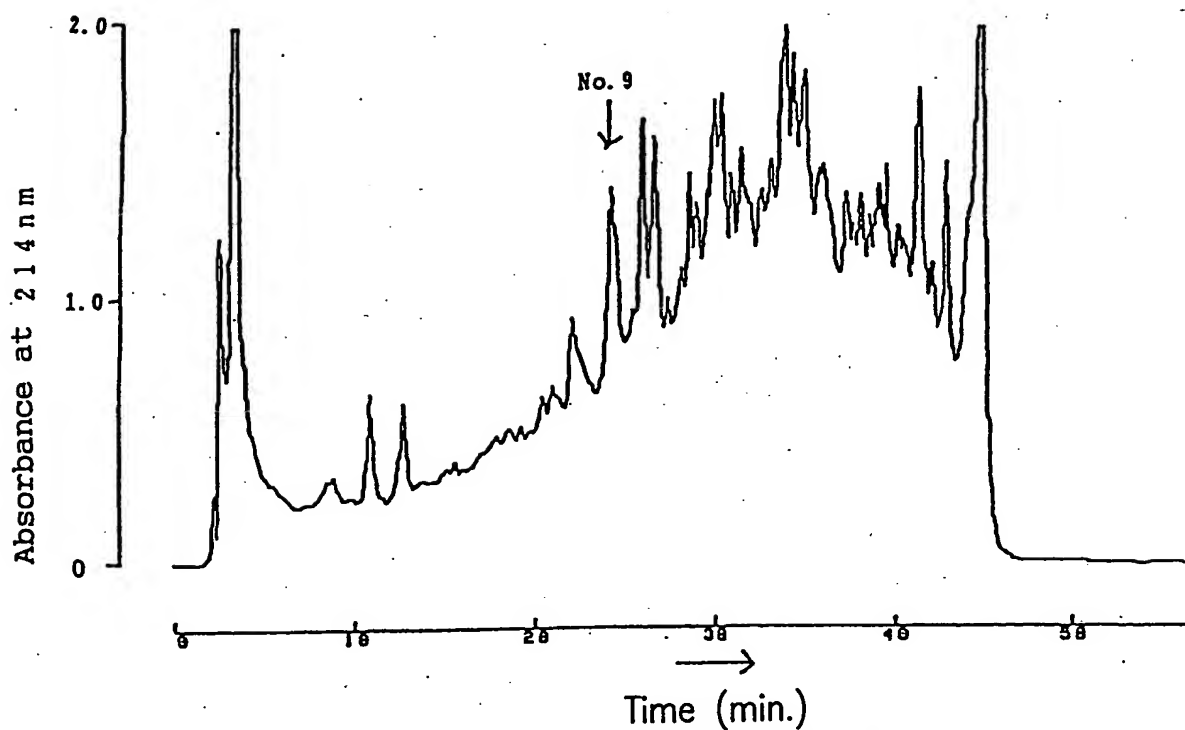
FIG. 2

FIG. 3

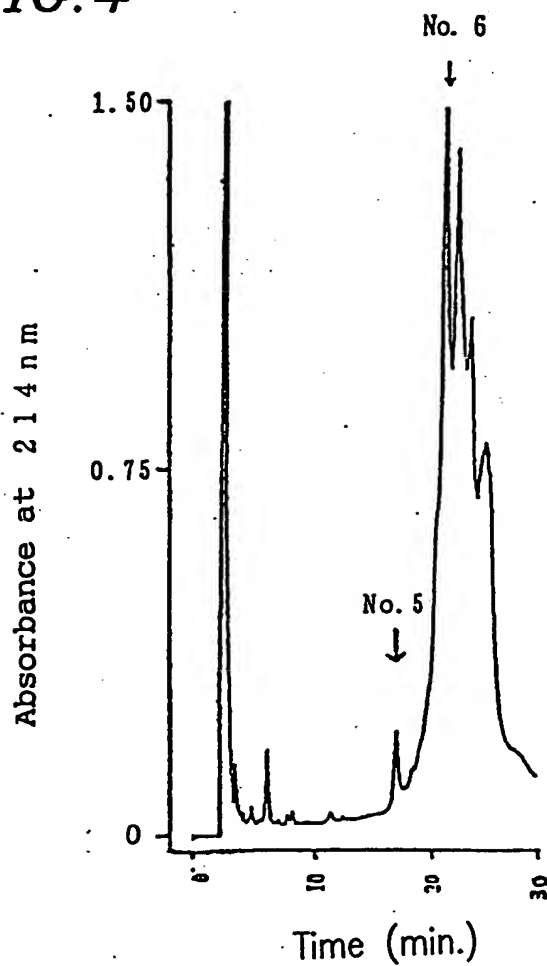
Elution conditions Column: YMC-ProteinRP, 250X4.6mmID, 5 μ m

Flow rate: 1.5ml/min.

Elution: A: 0.1%TFA, B: 80%CH₃CN/0.1%TFA

20%B→60%B/40min

Detection: 214nm

FIG. 4

Elution conditions Column: YMC-ProteinRP, 250X4.6mmID, 5 μ m

Flow rate: 1.5ml/min.

Elution : A: 0.1%TFA, B : 80%CH₃CN/0.1%TFA

30%B \rightarrow 45%B / 30min

Detection : 214nm

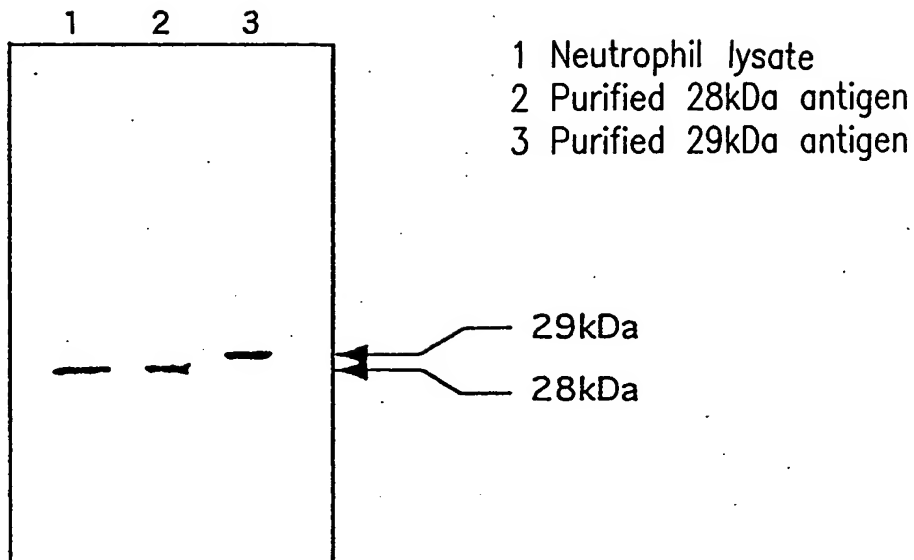
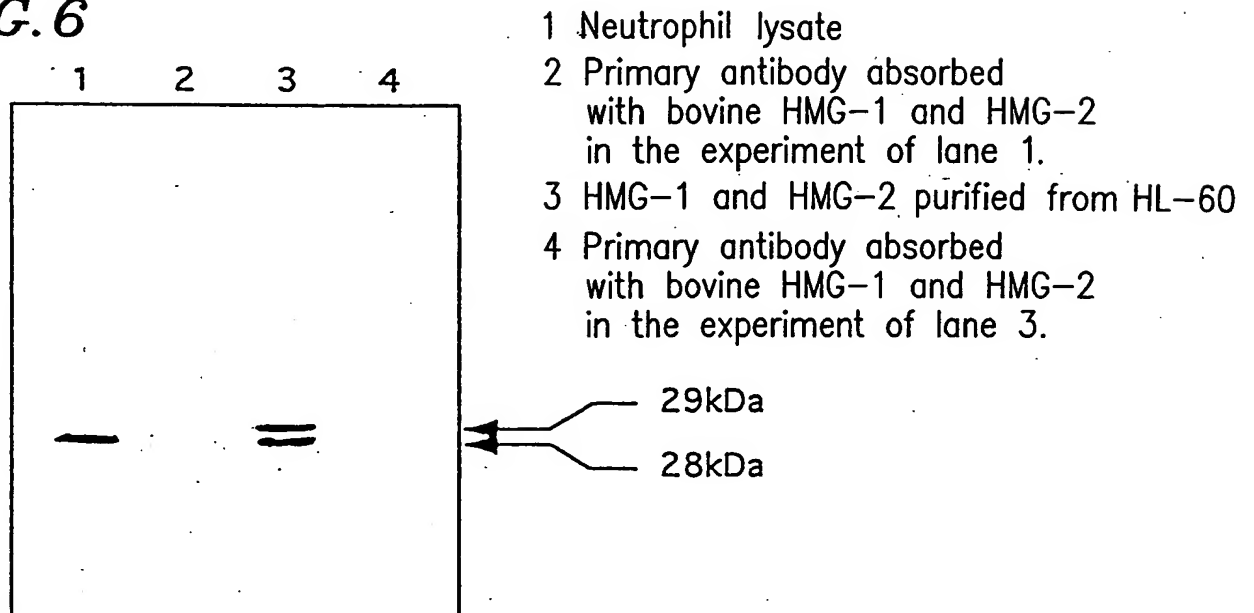
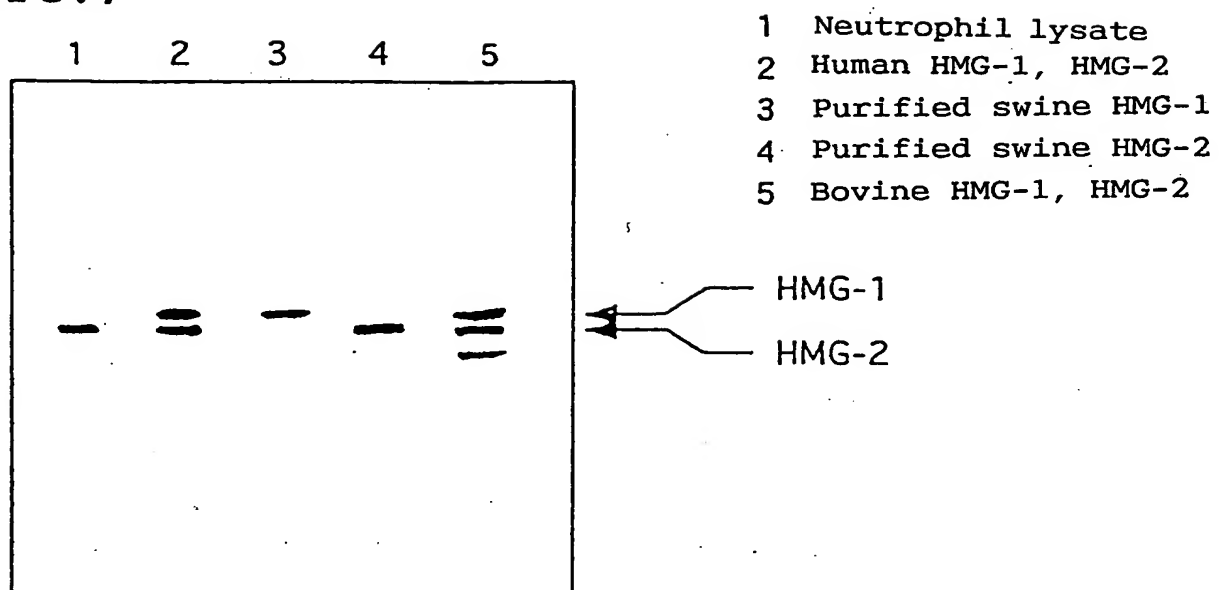
FIG. 5**FIG. 6**

FIG. 7

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FIG. 8

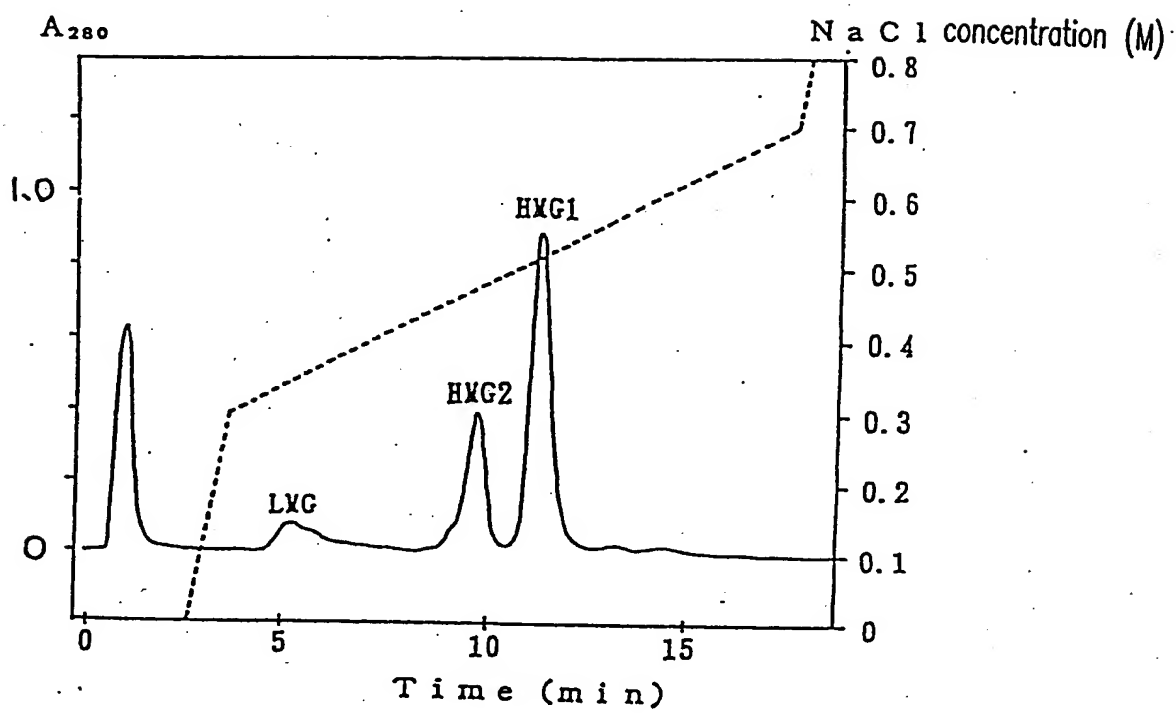


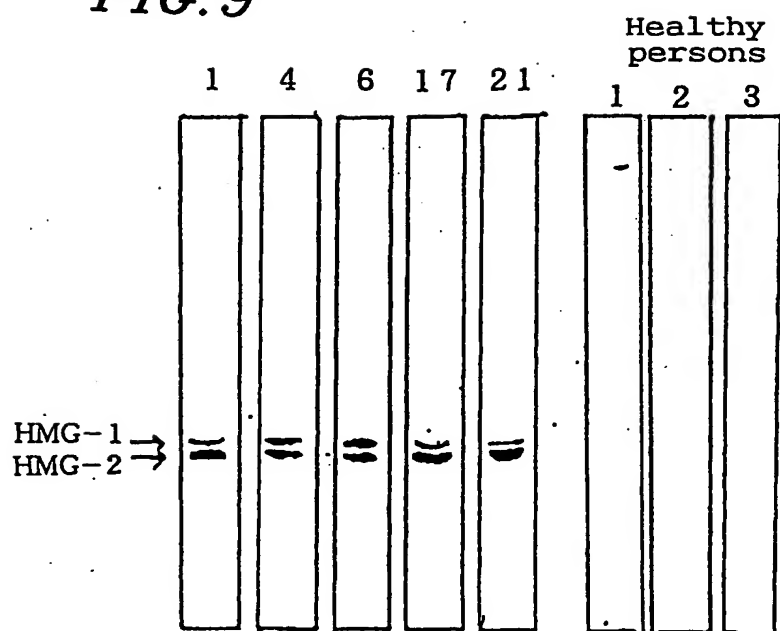
FIG. 9

FIG. 10

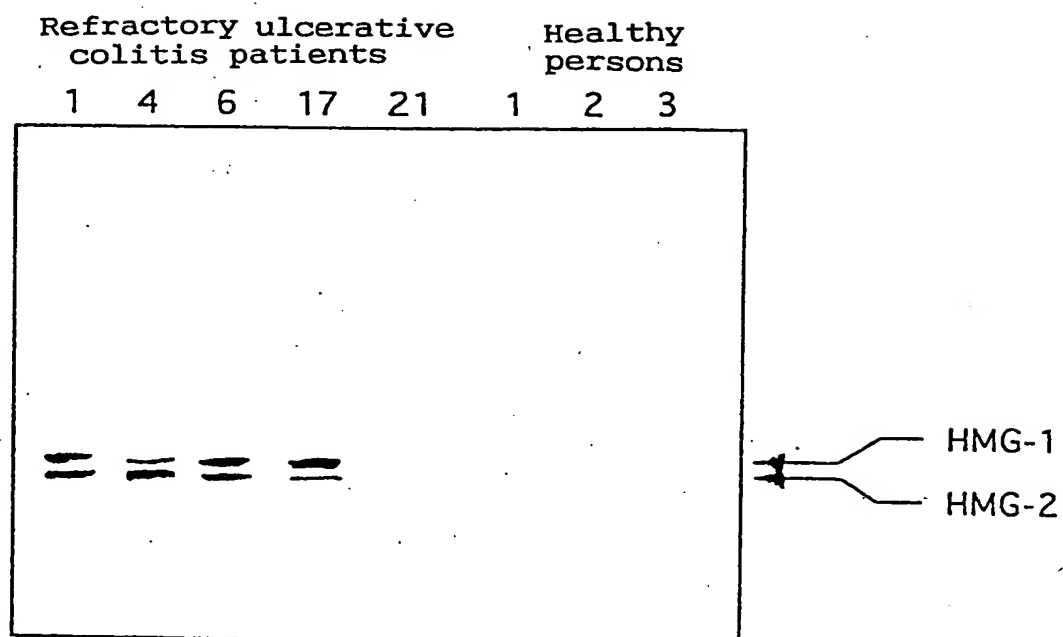


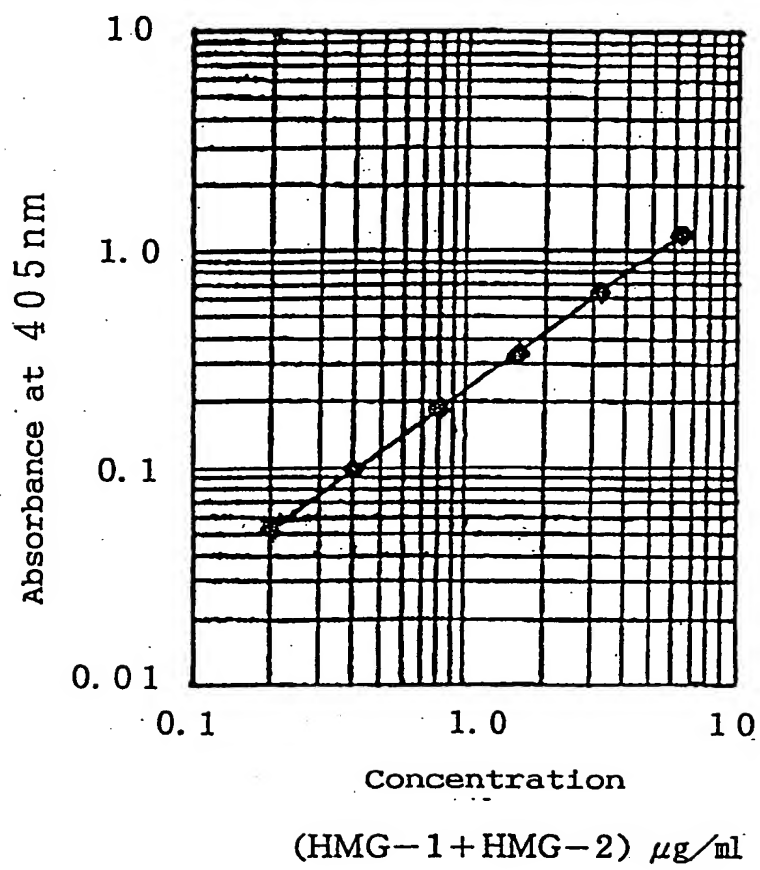
FIG. 11

FIG. 12-1

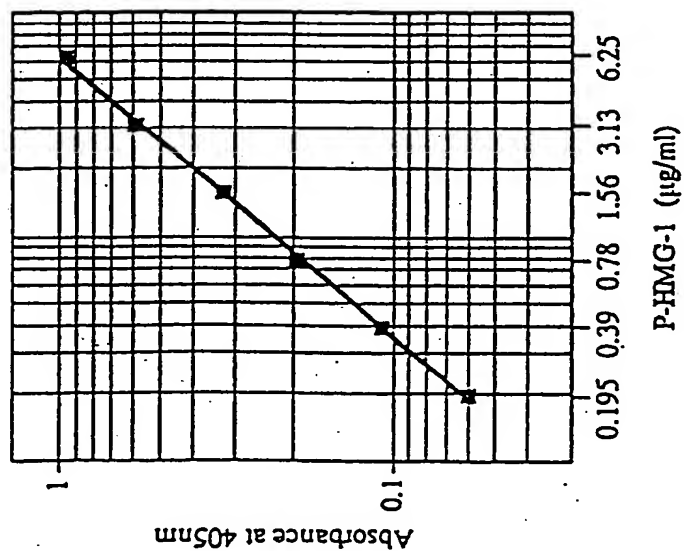


FIG. 12-2

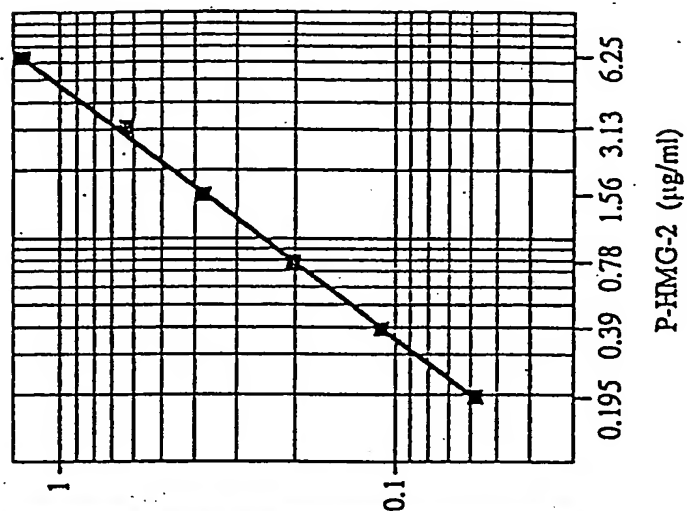


FIG. 12-3

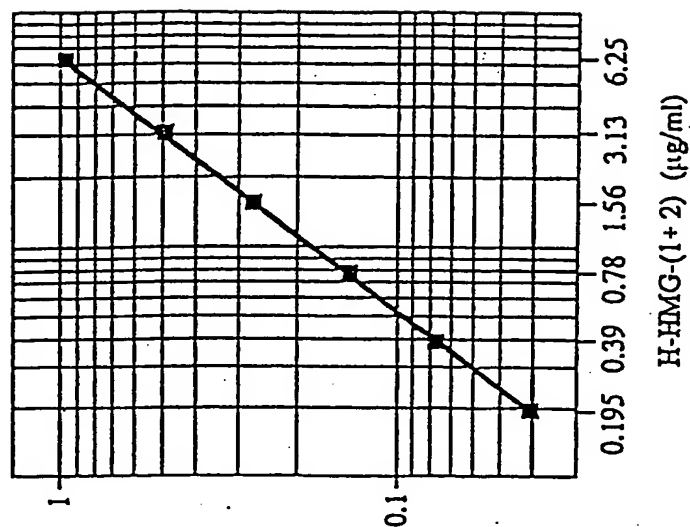


FIG. 13

--- Mean of normal persons+2s.d.
— Average for each disease

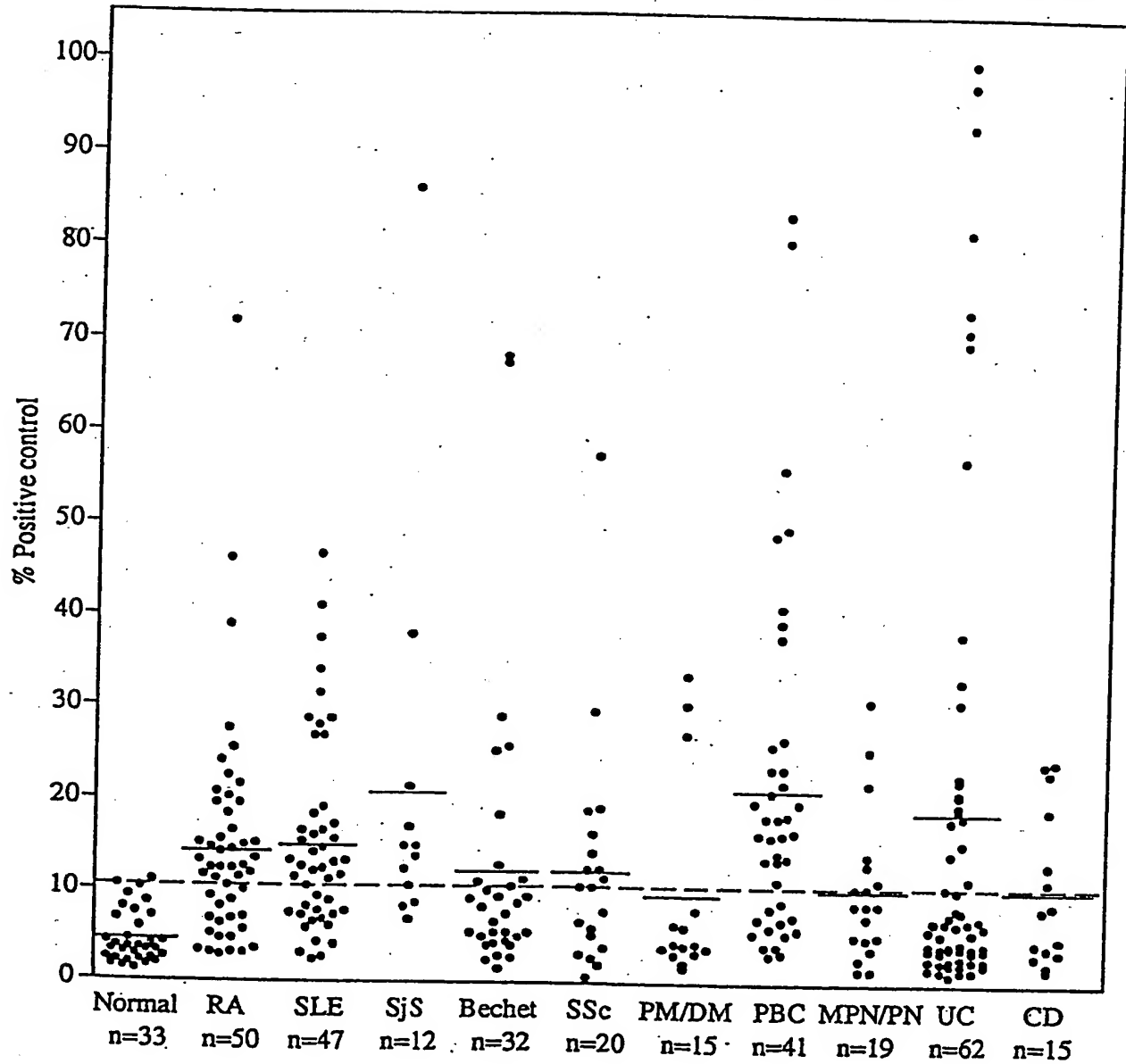


FIG. 14

--- Mean of normal persons+2s.d.
— Average for each disease

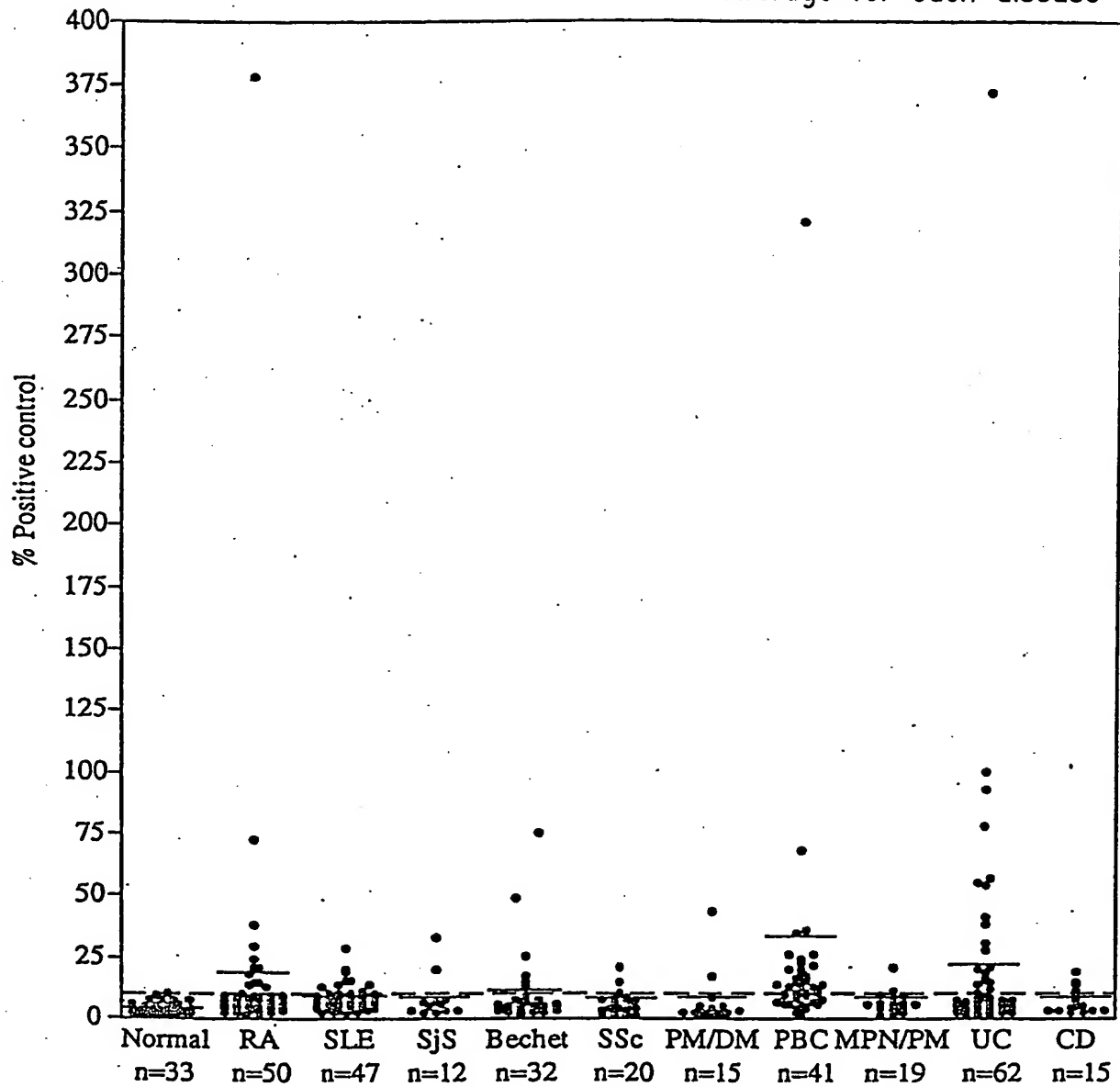


FIG. 15

Human	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Porcine	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Bovine	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Rat	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Human	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Porcine	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Bovine	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Rat	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Human	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Porcine	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKHPYEKKAACL	150
Bovine	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Rat	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Human	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEDEEDEDEDEDEEE	200
Porcine	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEDEEDEDEDEDEEE	200
Bovine	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEDEEDEDEDEDEEE	200
Rat	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEDDEEDEDEDEDEEE	200
Human	201	DEEDEDEEEDDDDE	214
Porcine	201	DEEDEDEEEDDDDE	214
Bovine	201	DEEDEDEEEDDDDE	214
Rat	201	EEEDEDEEEDDDDE	214

Comparison among human, porcine, bovine and rat HMG-1
 "I" indicates the same amino acid with that of human HMG-1.

FIG. 16

Human	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Porcine	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Bovine	1	GKGDPNKPRGKMSSYAFFVQTSREEHKKKHPDASVNF	----S----ERWKT	50
Rat	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Human	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA		100
Porcine	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA		100
Bovine	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA		100
Rat	51	MSAKEKSKFEDLAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA		100
Human	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL		150
Porcine	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL		150
Bovine	101	FFLFSAEHRPKIKAEHPGLSIGDTAKKLGEMWSQSAKDKQPYEQKASKL		150
Rat	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL		150
Human	151	KEYEKDIAAYRAKGKSEAGKKGPRPTGSKKKNEPEDEEEEEEE-DED		199
Porcine	151	KEYEKDIAAYRAKGKGEAGKKGPRPTGSKKKNEPEDEEEEEEEDEDED		200
Bovine	151	KEYEKX-AAAYRAKGKSEAGKKGPRPTGSKKKNEPEDEEEEEEE.....		200
Rat	151	KEYEKDIAAYRAKGKSEVGKKGPRPTGSKKKNEPEDEEEEEEEDEDED		200
Human	200	EEEEDEDEE	208	
Porcine	201	EEEEDEDEE	209	
Bovine	201		
Rat	201	EEEEDEDEE	209	

Comparison among human, porcine, bovine and rat HMG-2
 "I" indicates the same amino acid with that of human HMG-2.